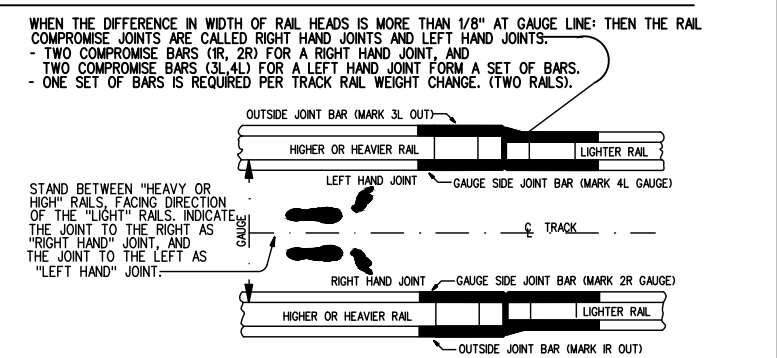


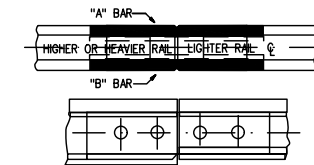
COMPROMISE JOINT RAILS		JT.	CNR DETAIL DIAGRAM	TRACK BOLTS		RAIL DRILLING		ABOVE BASE	REMARKS
RAIL HEAD	PLAN			Q	Y	SPACING	Q		
2 1/2	80 A.S.C.E.	AB.	80-80-1	GTS-1319/1	2	2 15/16 X 6	2	3/16	"BUFFALO" G.T.W. DRILLING
2 1/2	80 A.S.C.E.	AB.	80-80-2	3/4 DIA X 4 1/2	2	2 11/16 X 5 1/2	2	1/8	D. & T.S.L. DRILLING
2 1/2	80 ARA-A	AB.	80-80-2	GTS-1319/1	2	2 15/16 X 6	2	2 1/64	
2 1/2	80 A.S.C.E.	AB.	80-80-3	GTS-1319/1	2	2 15/16 X 6	2	3/16	"BUFFALO" G.T.W. DRILLING
2 1/2	80 A.S.C.E.	AB.	80-80-3	GTS-1319/1	2	2 15/16 X 6	2	3/16	"BUFFALO" G.T.W. DRILLING
2 17/32	80 CAN. NOR.	AB.	80-80-4	GTS-1317/1	2	2 1/2 X 6	2	1/4	I.C.R. DRILLING
2 1/2	80 A.S.C.E.	AB.	80-80-4	GTS-1317/1	2	2 15/16 X 6	2	3/16	I.C.R. DRILLING
2 17/32	80 CAN. NOR.	AB.	80-80-4	GTS-1317/1	2	2 1/2 X 6	2	1/4	
2 1/2	80 A.S.C.E.	AB.	80-79-1	GTS-1317/1	2	2 15/16 X 6	2	3/16	I.C.R. DRILLING
2 7/16	79 G.T.R.	AB.	80-79-1	GTS-1318/1	2	3 1/2 X 6	2		
2 17/32	80 CAN. NOR.	AB.	80-79-2	GTS-1317/1	2	2 1/2 X 6	2	1/4	
2 7/16	79 G.T.R.	AB.	80-79-2	GTS-1318/1	2	3 1/2 X 6	2		
2 1/2	80 A.S.C.E.	AB.	80-67-1	GTS-1319/1	2	2 15/16 X 6	2	3/16	"BUFFALO" G.T.W. DRILLING
2 3/8	67 G.T.W.	AB.	80-67-1	3/4 DIA X 4 1/2	2	2 15/16 X 5	1-25/32		
2 1/2	80 A.S.C.E.	AB.	80-67-2	GTS-1317/1	2	2 5/8 X 5 1/2	2	3/16	N.T.R. DRILLING
2 3/8	67 I.C.R.	AB.	80-67-2	7/8 DIA X 4 1/2	2	2 15/32 X 5	1-15/16		
2 1/2	80 ARA-A	AB.	80-67-3	GTS-1319/1	2	2 15/16 X 6	2	2 1/64	
2 3/8	67 G.T.W.	AB.	80-67-3	3/4 DIA X 4 1/2	2	2 15/16 X 5	1-25/32		
2 1/2	80 A.S.C.E.	AB.	80-67-4	GTS-1317/1	2	2 15/16 X 6	2	3/16	I.C.R. DRILLING
2 3/8	67 I.C.R.	AB.	80-67-4	7/8 DIA X 4 1/2	2	2 15/32 X 5	1-15/16		
2 17/32	80 CAN. NOR.	R.H.	80-60-1	GTS-1317/1	2	2 1/2 X 6	2	1/4	
2 3/8	60 A.S.C.E.	L.H.	80-60-1	3/4 DIA X 4 1/2	2	2 1/2 X 5	1-115/128		CAN. NOR. DRILLING
2 17/32	80 CAN. NOR.	R.H.	80-60-2	GTS-1317/1	2	2 1/2 X 6	2	1/4	
2 3/8	60 A.S.C.E.	L.H.	80-60-2	3/4 DIA X 4 1/2	2	2 5/8 X 5 1/2	1-115/128		G.T.P. DRILLING
2 1/2	80 A.S.C.E.	AB.	80-60-4	GTS-1319/1	2	2 15/16 X 6	2	3/16	"BUFFALO" G.T.R. DRILLING
2 3/8	60 A.S.C.E.	AB.	80-60-4	3/4 DIA X 4 1/2	2	2 1/2 X 5	1-115/128		CAN. NOR. DRILLING
2 1/2	80 A.S.C.E.	AB.	80-60-5	GTS-1319/1	2	2 15/16 X 6	2	3/16	"BUFFALO" G.T.R. DRILLING
2 3/8	60 A.S.C.E.	AB.	80-60-5	3/4 DIA X 4 1/2	2	2 5/8 X 5 1/2	1-115/128		G.T.P. DRILLING
2 1/2	80 A.S.C.E.	AB.	80-60-7	GTS-1317/1	2	2 5/8 X 5 1/2	2	3/16	N.T.R. DRILLING
2 3/8	60 A.S.C.E.	AB.	80-60-7	3/4 DIA X 4 1/2	2	2 1/2 X 5	1-115/128		CAN. NOR. DRILLING
2 1/2	80 A.S.C.E.	AB.	80-60-8	GTS-1317/1	2	2 5/8 X 5 1/2	2	3/16	N.T.R. DRILLING
2 3/8	60 A.S.C.E.	AB.	80-60-8	3/4 DIA X 4 1/2	2	2 5/8 X 5 1/2	1-115/128		G.T.P. DRILLING
2 1/2	80 A.S.C.E.	R.H.	80-60-10	GTS-1319/1	2	2 15/16 X 6	2	3/16	"BUFFALO" G.T.W. DRILLING
2 21/64	60-6033	L.H.	80-60-10	3/4 DIA X 4 1/2	2	2 15/16 X 6	1-3/4		C.S. & M. RY.
2 1/2	80 A.S.C.E.	AB.	80-60-11	GTS-1317/1	2	2 15/16 X 6	2	3/16	I.C.R. DRILLING
2 3/8	60 A.S.C.E.	AB.	80-60-11	3/4 DIA X 4 1/2	2	2 1/2 X 5	1-115/128		CAN. NOR. DRILLING
2 1/2	80 ARA-A	R.H.	80-60-12	GTS-1319/1	2	2 15/16 X 6	2	2 1/64	
2 21/64	60-6033	L.H.	80-60-12	3/4 DIA X 4 1/2	2	2 15/16 X 6	1-3/4		C.S. & M. RY.
2 1/2	80 A.S.C.E.	R.H.	80-56-1	GTS-1317/1	2	2 15/16 X 6	2	3/16	I.C.R. DRILLING
2 1/4	56 M. & M.	L.H.	80-56-1	3/4 DIA X 4 1/2	2	2 1/2 X 5	1-103/128		CAN. NOR. "LOWBALL"
2 7/16	79 G.T.R.	AB.	79-56-1	GTS-1318/1	2	3 1/2 X 6	2		
2 13/64	56 CAN. NOR.	L.H.	79-56-2	GTS-1318/1	2	3 1/2 X 6	2		
2 3/8	67 I.C.R.	AB.	67-56-1	7/8 DIA X 4 1/2	2	2 15/32 X 5	1-15/16		
2 1/4	56 M. & M.	AB.	67-56-1	3/4 DIA X 4 1/2	2	2 1/2 X 5	1-103/128		CAN. NOR. "LOWBALL"
2 11/32	65 G.T.R.	AB.	65-60-1	3/4 DIA X 4 1/2	2	3 1/2 X 6	2		
2 3/8	60 A.S.C.E.	AB.	65-60-1	3/4 DIA X 4 1/2	2	2 5/8 X 5 1/2	1-115/128		G.T.P. DRILLING

COMPROMISE JOINT RAILS		JT.	CNR DETAIL DIAGRAM	TRACK BOLTS		RAIL DRILLING		ABOVE BASE	REMARKS
RAIL HEAD	PLAN			Q	Y	SPACING	Q		
2 7/16	79 G.T.R.	R.H.	79-56-1	GTS-1318/1	2	3 1/2 X 6	2		
2 1/4	56 M. & M.	L.H.	79-56-1	3/4 DIA X 4 1/2	2	2 1/2 X 5	1-103/128		CAN. NOR. "LOWBALL"
2 7/16	79 G.T.R.	R.H.	79-56-2	GTS-1318/1	2	3 1/2 X 6	2		
2 13/64	56 CAN. NOR.	L.H.	79-56-2	3/4 DIA X 4 1/2	2	2 7/16 X 5	1-113/128		"EMERSON SECTION"
2 3/8	67 I.C.R.	AB.	67-56-1	7/8 DIA X 4 1/2	2	2 15/32 X 5	1-15/16		
2 1/4	56 M. & M.	AB.	67-56-1	3/4 DIA X 4 1/2	2	2 1/2 X 5	1-103/128		CAN. NOR. "LOWBALL"
2 11/32	65 G.T.R.	AB.	65-60-1	3/4 DIA X 4 1/2	2	3 1/2 X 6	2		
2 3/8	60 A.S.C.E.	AB.	65-60-1	3/4 DIA X 4 1/2	2	2 5/8 X 5 1/2	1-115/128		G.T.P. DRILLING



RIGHT & LEFT HAND COMPROMISE JOINTS

WHEN A DIFFERENCE IN WIDTH OF RAIL HEADS IS NOT MORE THAN 1/8" AT GAUGE LINE, THEN COMPROMISE BARS FOR A RIGHT HAND OR LEFT HAND JOINT ARE INTERCHANGEABLE. OCCASIONALLY THIS JOINT IS REFERRED TO AS A "NO HAND" JOINT. THE COMPROMISE SPLICE BARS FOR A "A-B" (NO HAND) JOINT CONSIST OF AN "A BAR" AND A "B BAR".



"A-B" (NO HAND) COMPROMISE JOINT

NOTES

- (1) THIS DRAWING IS A REFERENCE LIST OF THE VARIOUS STANDARD COMPROMISE SPLICE BARS. THE DRAWING HAS BEEN ISSUED TO CLARIFY THE COMBINATIONS AND ASSIST IN THE ORDERING OF BARS FOR RIGHT HAND, LEFT HAND AND "A-B" (NO HAND) JOINTS, FOR SPECIFIC DESIGN DATA ON EACH PARTICULAR BAR REFER TO CNR DETAIL DIAGRAMS (FORM 1023) HQ. FILE K10C-163.1
- (2) WHEN ORDERING COMPROMISE SPLICE BARS STATE THE FOLLOWING:
 - NUMBER OF RIGHT HAND, LEFT HAND AND "A-B" (NO HAND) JOINTS. DO NOT ORDER BARS OR SETS.
 - STATE CNR DETAIL DIAGRAM NUMBER, E.G. 115-100-1 AND THE DESCRIPTION 115RE TO 100 ARA-A RAIL
 - STATE STOCK NUMBER IF LISTED
- ATTENTION** CARE MUST BE TAKEN WHEN ORDERING A COMMON RAIL SECTION WHICH HAS NUMEROUS DRILLINGS. SELECT THE PROPER DRILLING AND ADD THIS TO THE NUMBER AND DESCRIPTION. E.G. 100-80-1 100 ARA-A TO 80 ASCE - GTR DRILLING.
- (3) THE BOLTS ARE NOT SUPPLIED WITH COMPROMISE SPLICE BARS.
- (4) TOELESS BARS WILL BE PROVIDED WHENEVER POSSIBLE.
- (5) FOR ADDITIONAL COMPROMISE SPLICE BARS - SEE PLANS GTS-1210, GTS-1211, GTS-1212.
- (6) FOR WELDING COMPROMISE RAILS SEE PLAN GTS-1216.

MATERIAL:

COMPROMISE SPLICE BARS SHALL BE MANUFACTURED IN ACCORDANCE TO THE FOLLOWING SPECIFICATIONS
 S3W-12. 1 CARBON STEEL, HEAT TREATED COMPROMISE RAIL SPLICE BARS - JUNE 1929
 S3W-12. 2 CAST ALLOY STEEL HEAT TREATED COMPROMISE RAIL SPLICE BARS - JUNE 1929

ABBREVIATIONS

RAILROADS

- | | |
|--|--|
| CNR - CANADIAN NATIONAL RAILWAYS | Q M & S - QUEBEC, MONTREAL & SOUTHERN RAILWAY |
| CPR - CANADIAN PACIFIC RAILWAY | E J & E - ELGIN, JOLIET & EASTERN RAILWAY |
| CAN NOR - CANADIAN NORTHERN RAILWAY | I C R - INTERCOLONIAL RAILWAY |
| CGR - CANADIAN GOVERNMENT RAILWAYS | D & T S L - DETROIT & TOLEDO SHORE LINE RAILROAD |
| GTR - GRAND TRUNK RAILWAY | H S R - HAMILTON STREET RAILWAY |
| G T W - GRAND TRUNK WESTERN RAILWAY | PENN - PENNSYLVANIA RAILROAD |
| G T P - GRAND TRUNK PACIFIC RAILWAY | PER MARQ - PERE MARQUETTE RAILROAD |
| N Y C - NEW YORK CENTRAL RAILWAY | N Y C & ST L - NEW YORK, CHICAGO & ST LOUIS |
| N T R - NATIONAL TRANSCONTINENTAL RAILWAY | M & M - MACKENZIE & MANN CO. |
| C.S. & M. - CINCINNATI, SAGINAW & MACKINAW | |

RAIL SECTIONS

- ARA-A - ASSOCIATION OF AMERICAN RAILROADS' - A SECTION
- ARA-B - ASSOCIATION OF AMERICAN RAILROADS' - B SECTION
- A S C E - AMERICAN SOCIETY OF CIVIL ENGINEERS
- R E - (A R E A) AMERICAN RAILWAY ENGINEERING ASSOCIATION
- H F - HEADFREE
- P F - PENNSYLVANIA STANDARD
- B S - BRITISH STANDARD

METRIC CONVERSION: 1 inch=25.4mm, 1 foot=304.8mm

1	18/07/27	ADDED IMPERIAL TO METRIC CONVERSION NOTE
No.	Date	Revision
		By Approved

Standard/
COMPROMISE SPLICE BARS

Drawn **GEK** Checked **GWM** Approved **[Signature]**
 VP Engineering & Asset Management



Date **SEPT 15/2017** Plan Number **GTS-1213** Rev **1**